



# Sensible Software

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## APLUS PRINTER INTERFACE November 19, 1981

The following machine language program should correct any difficulties experienced when using the "&LIST" command to send output to a printer.

If you do not have the following program on the supplied APLUS diskette, enter the program as shown.

(boot the supplied APLUS diskette)

```
]CALL -151
*0300: 48 4C 7C 03 C9 03 F0 2B
*0308: 8D 9B 03 A9 4C 8D 99 03
*0310: AD 53 AA 8D 9A 03 A9 33
*0318: 8D 53 AA A9 03 8D 54 AA
*0320: A9 00 8D 9D 03 A9 FF 8D
*0328: 9C 03 A9 4F 8D 9E 03 68
*0330: 4C D0 03 48 C9 8D D0 07
*0338: A9 00 8D 9D 03 F0 26 EE
*0340: 9D 03 AD 9D 03 CD 9E 03
*0348: 90 25 A9 06 8D 9D 03 A9
*0350: 8D 20 99 03 A9 A0 20 99
*0358: 03 20 99 03 20 99 03 20
*0360: 99 03 20 99 03 2C 9C 03
*0368: 10 05 A9 8A 20 99 03 68
*0370: 48 20 99 03 AD 9D 03 85
*0378: 24 68 60 00 AD 7B 03 D0
*0380: 12 AD D8 03 8D 12 03 8D
*0388: 1A 03 8D 1F 03 8D 95 03
*0390: 8D 7B 03 AD 54 AA 4C 04
*0398: 03 08 4A 4A 4A 0D FF 09
*3DOG
]BSAVE APLUS-PRINT-FIX,A$300,L$99
```

The asterisks ("\*") and square brackets ("["") are not typed in, but are the response of the Apple to what you are typing.

The usual procedure for using the above program would be as follows:

```
BRUN APLUS
BLOAD APLUS-PRINT-FIX
PR#1 (if your printer is in slot 1)
(give any special printer control
 codes here--for example "CTRL-I 80 N")
CALL 768
&LIST
```

APLUS PRINTER FIX (continued)  
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The "print fix" program has two options that you can control by "POKE"ing in new settings. The first of these options is a "switch" that gives an extra linefeed after each carriage return. The default setting for this switch is "on". If your printer doesn't require the extra linefeed, you will find it double spacing between lines. This can be corrected by giving the following "POKE" to turn off this switch:

```
CALL 768  
POKE 924,0  
&LIST
```

The second option lets you specify the line width. This number controls how many characters can be printed on a line before the "printer fix" program decides to "wrap around" the line and continue it on the following line. The default value for this number is 79 characters per line. This value can be changed with the following "POKE":

```
CALL 768  
POKE 926,132 (to allow 132 char/line)  
&LIST
```

It's value should always be less than or equal to the number of characters per line that you specified with your printer control characters. Otherwise strange things will happen at the end of a line. For example, if you tell a parallel printer interface that you want 60 characters per line ("CTRL-I 60N") and POKE 70 characters into the "printer fix" line length, then the parallel card will give a carriage return after 60 characters have printed and the next 10 characters will be "lost" until the "printer fix" routine decides that it is at the end of a line.

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